

ABSTRACT OF THE DISCLOSURE

A computer readable medium containing a computer program for representing an electronic circuit, which has been segmented into plurality blocks, as a routing-resource graph includes a first wiring data structure with first switch information and a first wire identity information to identify a first wire across a first plurality of blocks, a second wiring data structure with the first switch information and a second wire identity information to identify a second wire across a second plurality of blocks, and a first switch data structure having wire information and associated with the first and second wiring data structures for identifying a third wire connected to the first wire with a switch as a function of the first wire identity information and wire information from the first switch data structure.